

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

SEQUENCE LISTING

<110> Tokuzumi, Tsuyoshi
Iida, Akihiro
Hasegawa, Mamoru
Nagai, Yoshiyuki

<120> Paramyxovirus vectors used for transfer
of foreign genes

<130> 50026/025001

<150> JP2000-152726

<151> 2000-05-18

<160> 32

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence derived from the
Sendai virus

<400> 1

ccaccgacca caccagcgg ccgcgacagc cacggcttcg g

41

<210> 2

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence derived from the
Sendai virus

<400> 2

ccgaagccgt ggctgtcgcg gccgctgggt gtggtcggtg g

41

<210> 3

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence derived from the

Sendai virus

<400> 3
gaaatttcac ctaagcggcc gcaatggcag atatctatag

40

<210> 4
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized sequence derived from the
Sendai virus

<400> 4
ctatagatat ctgccattgc ggccgcttag gtgaaatttc

40

<210> 5
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized sequence derived from the
Sendai virus

<400> 5
gggataaagt cccttgcggc cgcttggttg caaaactctc ccc

43

<210> 6
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized sequence derived from the
Sendai virus

<400> 6
ggggagagtt ttgcaaccaa gcggccgcaa gggactttat ccc

43

<210> 7
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized sequence derived from the
Sendai virus

<400> 7

ggtcgcgcgg tactttagcg gccgcctcaa acaagcacag atcatgg

47

<210> 8

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence derived from the Sendai virus

<400> 8

ccatgatctg tgcttgtttg aggcggccgc taaagtaccg cgcgacc

47

<210> 9

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence derived from the Sendai virus

<400> 9

cctgcccac catgacctag cggcgcgttc ccattcaccc tggg

44

<210> 10

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence derived from the Sendai virus

<400> 10

cccagggtga atgggaagcg gccgctaggt catggatggg cagg

44

<210> 11

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence derived from human secreted alkaline phosphatase

<400> 11

gcggcgcgcc atgctgctgc tgctgctgct gctgggcctg

40

<210> 12

<211> 40
<212> DNA
<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence derived from
human secreted alkaline phosphatase

<400> 12
gcggcgcgcc cttatcatgt ctgctcgaag cggccggccg

40

<210> 13
<211> 74
<212> DNA
<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence containing a
multicloning site

<400> 13
gcggccgcgt ttaaaccggc cgccatttaa atccgtagta agaaaaactt agggtgaaag 60
ttcatcgcg cgc 74

<210> 14
<211> 74
<212> DNA
<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence containing a
multicloning site

<400> 14
gcggccgcga tgaactttca ccctaagttt ttcttactac ggatttaaatt ggcgcgccgt 60
ttaaaccggc cgc 74

<210> 15
<211> 40
<212> DNA
<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 15
ggagaagtct caacaccgtc caccgaagat aatcgatcag

40

<210> 16
<211> 40

<212> DNA
<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 16
ctgatcgatt atcttgggtg gacggtgttg agacttctcc

40

<210> 17

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 17
gtatatgtgt tcagttgagc ttgctgtcgg tctaaggc

38

<210> 18

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 18
gccttagacc gacagcaagc tcaactgaac acatatac

38

<210> 19

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 19
caatgaactc tctagagagg ctggagtcac taaagagtta cctgg

45

<210> 20

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 20

ccaggtaact ctttagtgac tccagcctct ctagagagtt cattg

45

<210> 21

<211> 52

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 21

gtgaaagttc atccaccgat cggctcactc gaggccacac ccaacccac cg

52

<210> 22

<211> 52

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 22

cgggtggggtt ggggtgtggcc tcgagtgagc cgatcgggtg atgaactttc ac

52

<210> 23

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 23

cttagggtga aagaaatttc agctagcacg gcgcaatggc agatatc

47

<210> 24

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 24
 gatatctgcc attgcgccgt gctagctgaa atttctttca ccctaag 47

 <210> 25
 <211> 47
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Artificially synthesized sequence for use in site
 directed mutagenesis of the Sendai virus

 <400> 25
 cttagggata aagtccttg tgcgcgcttg gttgcaaaac tctcccc 47

 <210> 26
 <211> 47
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Artificially synthesized sequence for use in site
 directed mutagenesis of the Sendai virus

 <400> 26
 ggggagagatt ttgcaaccaa gcgcgcacaa gggactttat ccctaag 47

 <210> 27
 <211> 47
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Artificially synthesized sequence for use in site
 directed mutagenesis of the Sendai virus

 <400> 27
 ggtcgcgcgg tacttttagtc gacacctcaa acaagcacag atcatgg 47

 <210> 28
 <211> 47
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Artificially synthesized sequence for use in site
 directed mutagenesis of the Sendai virus

 <400> 28
 ccatgatctg tgcttgtttg aggtgtcgac taaagtaccg cgcgacc 47

<210> 29
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 29
cccagggtga atgggaagg ccgccaggt catggatggg caggagtcc 49

<210> 30
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized sequence for use in site
directed mutagenesis of the Sendai virus

<400> 30
ggactcctgc ccatccatga cctggccggc ccttcccatt caccctggg 49

<210> 31
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized sequence containing a
multicloning site, a transcription start signal,
and stop signal

<400> 31
ggccgcttaa ttaacggttt aaacgcgcgc caacagtgtt gataagaaaa acttaggggtg 60
aaagttcatc ac 72

<210> 32
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Artificially synthesized sequence containing a
multicloning site, a transcription start signal,
and stop signal

<400> 32
ggccgtgatg aactttcacc ctaagttttt cttatcaaca ctgttggcgc gcgttttaaac 60
cgtaattaa gc 72